msona™

mBox™ 2000 Datasheet

mbox™ 2000

MULTI-SERVICE INTERNET APPLIANCE

Think Green

All-in-one, multi-function, versatile, secure Internet appliance with integrated feature-rich, flexible and reliable applications and managed services

Overview

Convergence of Internet networking services and IT applications has become a key critical business imperative to increase productivity and lower operational expenditure (OPEX) while enhancing usability and the overall customer's Quality of Experience (QoE). In a converged world of communications, no longer organizations can afford to continue their reliance on single-service devices to compete and win in the 21st Century. Organizations require multi-service and multi-function networking appliances that enable alignment of business processes and communication services.

mBox™ Series

The mBox Series are multi-service, multi-function and multi-purpose Unified Communications Internet appliances that deliver true convergence of data, voice, video and IT applications at the customer premise. The true value lies in their unique centralized remote provisioning eco-system responsible for the delivery of revenue-generating managed services, known as mRepublic™, combined with on-going management and support through Msona's state-of-the-art mCloud™ service delivery network.

mBox™ 2000

The mBox 2000 pre-integrates a simple and modular solution to small organizations' ICT needs including Broadband gateway, shared and secured Internet access, telephony, data backup, security, remote access, resource sharing, email, web servers and collaboration applications. Simply put once an mBox 2000 is installed, no additional hardware or software is required to set up a secure office network, establish Web presence, connect branch offices and protect company data.

Product Highlights

Aimed at small-to-medium sized enterprises (SMEs) and organizations with less than 40 users, the mBox 2000 provides a fully integrated computing and Broadband networking - including Web, gateway, phone, email, network, print, security, storage, resource sharing and a whole lot more - in one easy to deploy and use platform.

- Ideal for small office environments without specialized IT expertise or dedicated server room
- QuickStart menu for fast-track setup in less than 1 minute!
- Embedded architecture offering small footprint
- Delivery point for mRepublic managed ICT services at customers' premise
- Support for a wide-range of connectivity options including Gigabit Ethernet, FTTx, Telephony, DSL, WiFi, WiMAX & 3G/UMTS
- Powered by Msona's robust and trusted Linux-based operating system, mOS
- Reduces carbon footprint by replacing up to eight standalone IT and communication devices

UNLOCKS FULL POTENTIAL OF TRUE CONVERGENCE

BETWEEN NETWORKING, TELECOMMUNICATIONS AND IT

Features and Benefits

Share Internet Resources

Broadband Gateway

- DHCP
- NAT
- Static IP Routing

Through one unified and integrated appliance connected to the Internet via Broadband, all network users can quickly and easily share Internet connectivity. Network Address Translation (NAT) allows for sharing of Internet access and use of private IP addresses on the LAN.

Secure Internet Access

Security

- Firewall
- Intrusion Detection & Prevention

The network is protected from outside attacks with state-of-the-art firewall system working together with intelligent intrusion detection and protection system.

Internet Presence and Communication

Web & Networking

- Web Server
- Resource Sharing
- FTP Server
- LDAP Server

Provides all the necessary tools and applications to secure Internet presence, a key critical requirement to compete and win in the 21st Century. Local and remote users can securely access all network resources including storage devices, files and printers.

Unified Communications Infrastructure

Convergence of Voice and Data

- Full-featured PBX delivering many telephony features
- Support for wide range of terminals: Analog, ISDN, IP phones and softphones, wireless (Wi-Fi), and IP DECT
- Interface support for FXS, FXO, BRI and PRI

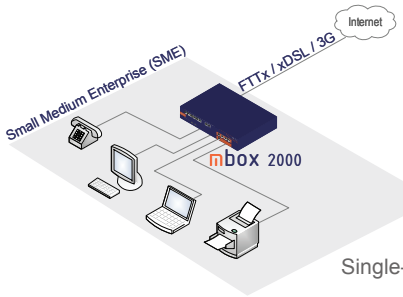
Provides a fully integrated enterprise-level voice services with professional call handling capabilities such as Automatic Call Distribution, hunt groups, auto attendant, digital receptionist, IVR, voicemail to E-mail forwarding and much more.

Round-the-clock Collaboration

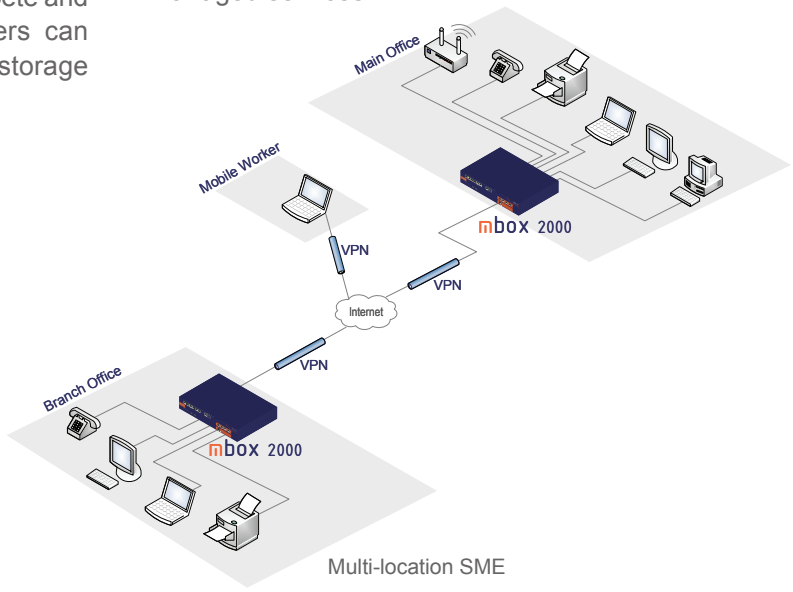
Email & Groupware

- Integrates robust Email Server
- Microsoft Outlook®-compatible infrastructure
- Webmail access
- Email logging for Regulatory Compliance

Improves communications and productivity through a Microsoft Exchange®-like e-mail and groupware server experience. Users can seamlessly access emails and share calendars, contacts, tasks, folders, company news internally or remotely. In addition, Anti-Virus and Anti-Spam filtering is provided through subscription to mRepublic managed services[1].



Single-location SME



Multi-location SME

“DELIVERY POINT” AT CUSTOMER PREMISE FOR OPEN, CUSTOMIZABLE, SECURE, MANAGED, MULTI-SERVICE AND CONVERGED ICT INFRASTRUCTURE

Eliminate Costly Interruptions to Business Operations

Business Continuity

- Back-up
- Anti-Virus
- Redundant Internet Connectivity
- Quick Recovery

Increases business uptime by guarding company’s electronic assets safe, protecting resources, supporting resilient Internet connections from different ISPs and providing quick and seamless recovery procedure.

Quick Setup and Management

Intuitive Web Management GUI

No technical skills are needed to quickly set-up the mBox system via Web-based QuickStart tool and configuration menus.

Ease of Use and Administration

Radical Simplicity

Quick deployment and management of ICT infrastructure including Broadband connection, email & web servers, security and resource sharing for maximum productivity and efficiency.

Location-Independent Secure Network Access

Secure Remote Connectivity (VPN)

- Remote Access for mobile users
- Office-to-Office Connection

Users on the move and in branch offices can securely gain access to network resources, exchange information and share access to organization’s ICT infrastructure.

Seamless Integration with Windows® Environment

Windows® Workgroups & Domains Support

Transparent connectivity with Microsoft Windows® networks for sharing files and network resources with full support for Workgroups and Domains.

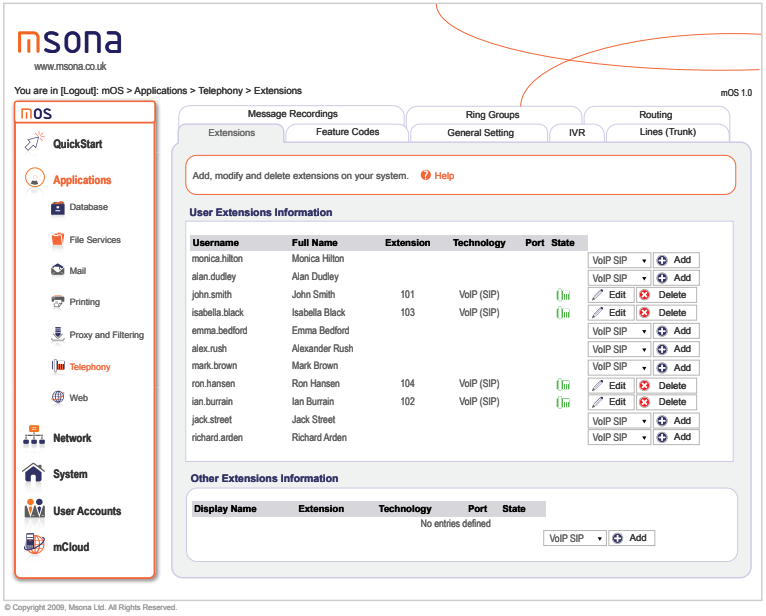
Eliminate Cyberslacking & Enhance Quality of Experience (QoE)

Productivity & Responsiveness

- Web Proxy Server
- Content Filtering & Caching
- Single sign-on

Users are connected to the Internet with total control and security while reducing bandwidth usage and speeding up web browsing. Content filtering enforces Web usage policies and Caching improves response time and performance. Single sign-on gives users access to all resources and services - without being prompted to log in again - for better overall QoE of their ICT infrastructure.

Simple, intuitive and easy-to-use Web-based GUI for seamless and straight-forward configuration and management



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www.msona.co.uk

Delivering mRepublic™ Managed Services

mRepublic is a growing state-of-the-art family of value-add managed ICT services delivered from Msona's mCloud™ service delivery network and covering a wide range of high-performance, consistent, reliable and scalable applications. Today, these applications include networking, communications, security, collaboration, backup and service assurance and are presented in one easy to deploy and use environment. All the mRepublic managed services are seamlessly delivered to end-users using Msona's World-leading Multi-service Internet Appliance platforms, the mBox Series, deployed at the customer premise.

Web Presence

- Domain Services
- DNS Services
- Dynamic DNS Service

Mailbox Critical Services

- Mail Continuity Service
- Mail Sanitization Services (SaaS Anti-virus & Anti-spam)

Security Management

- Web Content Filtering Update
- Intrusion Detection / Prevention
- Security Audit

Software Management

- Software Updates & Maintenance

Collaboration & Networking

- mGroupware for Microsoft Outlook®
- Managed Dynamic VPN Service

Content Management

- mStorage Remote Back-up

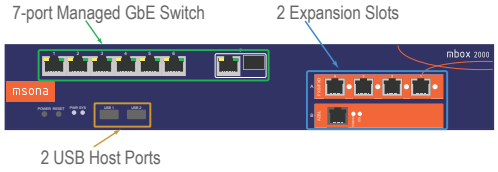
Service Assurance

- System Health Monitor
- Port Monitor
- Resource Monitor
- Weekly Report

1 Subscription to Mail Sanitization Services required
2 Check with Msona sales representative for availability in your region.

Hardware Specifications

Base Unit
mBox 2000 Multi-service Internet Appliance (40-users) 7 GbE Managed Ports (6 10/100/1000 Base-T & 1 Combo 10/100/1000 UTP/SFP) 2 Expansion Slots for Internal Expansion Service Modules 2 USB Host 2.0 Ports



Made in EU

Configuration Options[2]		
Internal Expansion Service Modules	Telephony	4 FXS/FXO 8 FXS/FXO 2 ISDN BRI NT/TE[2] 4 ISDN BRI NT/TE[2] 1 ISDN PRI NT/TE[2] 2 ISDN PRI NT/TE[2]
	xDSL	1 ADSL/ADSL2+ 1 G.SHDSL[2]
	Ethernet	1 10/100/1000 BASE-T
External Modules (USB)	WiFi	1 802.11a/b/g WiFi with dual antenna
	3G	1 3G/UMTS/GPRS
	WiMAX	802.16/802.16e Fixed and Mobile
Storage	Enterprise Hard Drive Flash Hard Drive[2]	250 GB, 500 GB, 1 TB (RAID 1 optional) 1 GB (optional)
Device Characteristics		
Power Supply	Internal AC/DC adapter Max Power Consumption	AC, 100-240V, 50-60Hz 90W (40W Typical Power Consumption)
Environmental	Operating Temperature Operating Humidity Storage Temperature Storage Humidity	Min 0°C, Max 40°C Max 80%, Relative, Non-condensing Max -20°C, Max 70°C Max 95%, Relative, Non-condensing
Physical	Mounting Options Dimensions Weight	Desktop, Rack and Wall 66H mm (1.5U), 350W mm, 280D mm 5.5 kg
Approval & Certifications	Safety Emission Immunity	EN60950 EN55022 Class B EN55024 Class B
EC Community Design	European Community Design No. 001025225-0001/2/3/4/5/6	
Management	Web GUI and Console via USB (special cable orderable)	

Ordering Information

Please contact your local authorized Msona channel partner or visit us @ www.msona.co.uk.

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